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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,635	06/12/2006	Myoung-soon Choi	Q95204	2004
23373 7590 11/28/2007 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAMINER RUIZ, ANGELICA	
			ART UNIT 2169	PAPER NUMBER
			MAIL DATE 11/28/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/582,635	Applicant(s) CHOI ET AL.	
	Examiner Angelica Ruiz	Art Unit 2169	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>06/12/2006</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-20 are pending.

Specification

2. The specification is objected because of improper numbering. Numbering on pages 22-1 to 22-12 including numbers 1-117 should be renumbered to comply with the requirements of 37 CFR 1.52. Proper correction is required.

37 CFR 1.52. Language, paper, writing, margins, compact disc specifications.

(6) Other than in a reissue application or reexamination proceeding, the paragraphs of the specification, other than in the claims or abstract, may be numbered at the time the application is filed, and should be individually and consecutively numbered using Arabic numerals, so as to unambiguously identify each paragraph. The number should consist of **at least four numerals** enclosed in square brackets, including leading zeros (e.g., [0001]). The numbers and enclosing brackets should appear to the right of the left margin as the first item in each paragraph, before the first word of the paragraph, and should be highlighted in bold.

3. Abstract suggested correction in the phrase "his/her" to be changed for "user" to be in consistency with the numerous times that "user" is mentioned.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-4, 6-9, 11-14, and 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Dean et al (US Application No. 2002/0152244 A1)** in view of **Iwata et al (US Application No. 2003/0056222)**.

As per Claim 1, Dean discloses:

- ***A device for managing multimedia content in a portable digital apparatus, the device comprising:***

(Title, "Method and **apparatus** to dynamically create a customized user interface based on a document type definition") and (Par [0004], "...**for different device types such as computers, PDAs, cell phones and print.**") and (Par [00856], "XML is used not only for creating the **multimedia content**, but also for **system configuration documents at startup** and as the language for information exchange between the different parts of the system").

- ***an input unit which receives index information from a user for configuring indexes of multimedia content and***

(Par [0173], "The results of the **user input** are then used to generate the GUI 702 with all the GUI widgets and user input from steps 1302-1312.) and (Par [0176], "Function-- The process extracts ... on the **interface object to get user input**") and (Par [0032], "FIG. 8, shown is a GUI to enable the **creation/modification of multimedia content**, according to the present invention.") and (Par [0232], "Next in process step 1010, all the meta information to describe the content, that is any information helpful **for indexing the content**").

- ***a control unit which produces index information for the multimedia***

(Par [0212], "Within the present invention, Trigger Monitor **manages different types of files** differently based on their extensions. Servables, simple, compound, and **index fragments**, stylesheets and **multimedia assets** are all treated slightly differently in the

publishing flow.”) and (Abstract, “...The method parses the elements which are subsequently mapped to one or **more interface controls** such ... **content objects**.”).

However Dean does not disclose the “**control unit**” and “***content having the indexes configured according to the received index configuration and a storing unit which stores the multimedia content with the index information.***”

On the other hand Iwata discloses the mentioned features as follow:

Control unit

(Par [0066], “FIG. 2 is a view showing the construction of the client 10. As shown in the figure, the client 10 is composed of a transmission/reception unit 101, **a control unit 102, a display unit 103, an input unit 104, and a storage unit 105.**”)

- ***content having the indexes configured according to the received index configuration and a storing unit which stores the multimedia content with the index information.***

(Par [0130], “The **content storage unit** ... a **multimedia content** in which **video data and audio data** are multiplexed. The additional information includes **index information** showing...”).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwate into the device of Dean to use a control unit indexing feature with multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content

organized according to user requirements.

As per Claim 2, the rejection of Claim 1 is incorporated and further Dean discloses:

***- further comprising an output unit which provides a graphical user
interlace (GUI) screen for showing the multimedia content***

(Abstract, "...user interface (UI)..UI can be GUIs...") and (Par [0160], "FIG. 9 is a GUI 900 illustrating how elements presented can be replicated, according to the present invention. The +/-buttons 902-910 are used to add and remove widgets from the GUI 900, ... and **"Monitor and Displays"** 924. The creation of these forms is based directly on the DTD. ...) "the Monitors and Displays" being the "screen" as claimed.

As per Claim 3, the rejection of Claim 1 is incorporated and further Dean discloses:

***- wherein the input unit comprises at least one of a physical button, and a
user menu using a graphical user interface (GUI) screen.***

(Abstract, "... one or more interface controls such as icons, **pull-down menus**, **buttons**, selection boxes, progress indicators, on-off checkmarks, scroll bars, windows, window edges for resizing the window, toggle buttons, forms, and UI widgets...").

As per Claim 4, the rejection of Claim 1 is incorporated and further Dean discloses:

***- wherein the control unit is configured to group predetermined multimedia
content into a single multimedia group, for the multimedia content with the
configured indexes.***

(Par [0192], "The system-generated ... content or are necessary for maintaining the functional and semantic role of the fragments. These tags can be further **grouped into** two parts: 1) the tags which are used for describing the XML object, such as keywords, **categories** and publishing information; and 2) the tags which hold the content of the XML object, such as TITLE and SUMMARY.") and (Par [0159], "Turning to FIG. 8, shown is a GUI 800 to enable the creation/modification of **multimedia content**,..."). However Dean does not disclose:

- control unit is configured ... into a single multimedia group, for the multimedia content with the configured indexes.

On the other hand Iwata discloses the claimed features as follow:

- control unit is configured operated ... into a single multimedia group, for the multimedia content with the configured indexes.

(Par [0130], "The content storage unit 601 is a hard disk unit, and stores contents... The header information includes the compressed format, **the screen size**, the number of frames, ... The content data is digital data generated by encoding and compressing, in the above compressed format, a **multimedia content** in which video data and audio data are multiplexed. The additional information includes **index information** showing, for each frame constituting the **content data**...").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwate into the device of Dean use a control unit indexing feature with multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary

skills in the art would implement this to maintain multimedia content organized according to user requirements.

As per Claim 6, the rejection of Claim 4 is incorporated and further Dean discloses:

- wherein the control unit is configured to create tag information for the multimedia content with the configured indexes.

(Par [0191], "The metastore 712 is used to maintain information about the functional and semantic role of each fragment. The meta-information stored in the metastore 712 is grouped into system-generated tags and non-system generated tags....") and (Par [0032], "FIG. 8, shown is a GUI to enable the creation/modification of multimedia content, according to the present invention.").

As per Claim 7, the rejection of Claim 4 is incorporated and further Dean discloses:

- wherein the control unit is configured to create metadata files for the grouped multimedia content for the multimedia content with the configured indexes.

(Par [0232], "...2 Function... creates the metadata database(s) 712 and database tables. Input - Input is a database management tool and the results of step 1010. This includes the type of meta tags to be included in the tables within the metadata database 712. Output - The metadata database 712 is initialized and made operational...") and (Par [205], "...Users may create their own classes to accomplish localized goals, and specify those classes in the configuration file...").

However Dean does not disclose the **"control unit"**

On the other hand Iwata discloses the mentioned features as follow:

Control unit

(Par [0066], "FIG. 2 is a view showing the construction of the client 10. As shown in the figure, the client 10 is composed of a transmission/reception unit 101, **a control unit 102, a display unit 103, an input unit 104, and a storage unit 105.**")

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwata into the device of Dean to use a control unit indexing feature with multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content organized according to user requirements.

As per Claim 8, the rejection of Claim 7 is incorporated and further Dean discloses:

- wherein the metadata file comprises at least an index name for a group, and a start or end number of multimedia content contained in the group, wherein the multimedia belongs to the group.

(Par [0098], "These elements are shared across all documents and **comprise the common metadata** Additional metadata, such as KEYWORD and CATEGORY, are provided by common DTD elements to allow functional and semantic categorization of the fragments.") and (Par [0192], "... **be further grouped** into two parts: 1) the tags which are used for describing the XML object, such as keywords, categories and

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publishing information; and 2) the **tags which hold the content of the XML** object, such as TITLE and SUMMARY.”). “the tags” will include the “name”.

(Par [0232] Next in process step 1010, all the meta information to describe the content, that is any information helpful for indexing the content in metastore database 712 needs to be defined. Some mMeta information such as title, author, contents, **revision date**, and document type **are indexed by default**. This metadata is not only used for finding content during authoring on content editor 702...”)

As per Claim 9, the rejection of Claim 8 is incorporated and further Dean discloses:

- wherein the metadata file is provided in extensible markup language (XML) format.

(Par [0096], “Each fragment type and servable type has an associated DTD (A document type definition (DTD) is a specific definition that follows the rules of the Standard Generalized Markup Language) that describes the structure of the **XML document**. The DTD specifies **both metadata elements and content elements**.”).

As per Claim 11, Dean discloses:

A method for managing multimedia content, the method comprising the steps of: selecting multimedia content for which indexes are to be configured: and creating index information for the selected multimedia content.

(Title, "Method and **apparatus** to dynamically create a customized user interface based on a document type definition") and (Par [0004], "...for different device types such as **computers, PDAs, cell phones and print.**") and (Par [00856], "XML is used not only for creating the **multimedia content**, but also for **system configuration documents at startup** and as the language for information exchange between the different parts of the system").

(Par [0173], "The results of the **user input** are then used to generate the GUI 702 with all the GUI widgets and user input from steps 1302-1312.) and (Par [0176], "Function-- The process extracts ... on the **interface object to get user input**") and (Par [0032], "FIG. 8, shown is a GUI to enable the **creation/modification of multimedia content**, according to the present invention.") and (Par [0232], "Next in process step 1010, all the meta information to describe the content, that is any information helpful **for indexing the content**").

However Dean does not disclose:

- *creating index information for the selected multimedia content.*

On the other hand Iwata discloses the mentioned features as follow:

- creating index information for the selected multimedia content..

(Par [0130], "The **content storage unit** ... a **multimedia content** in which **video data and audio data** are multiplexed. The additional information includes **index information** showing,...").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwate into the device of Dean use

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a control unit indexing feature with multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content organized according to user requirements.

As per Claim 12, the rejection of Claim 11 is incorporated and further Dean discloses:

- further comprising providing multimedia content through a graphical user interlace (GUI) screen.

(Abstract, "...user interface (UI) ..UI can be GUIs...") and (Par [0160], "FIG. 9 is a GUI 900 illustrating how elements presented can be replicated, according to the present invention. The +/-buttons 902-910 are used to add and remove widgets from the GUI 900, ... and "**Monitor and Displays**" 924. The creation of these forms is based directly on the DTD. ...") "the Monitors and Displays" being the "screen" as claimed.

As per Claim 13, the rejection of Claim 11 is incorporated and further Dean discloses:

- wherein the selecting multimedia content comprises at least one of input from a user and change of date.

(Abstract and Claim 19, "19. The method according to claim 18, further comprising the steps of: receiving **user input** to modify any content displayed; and modifying the content based on the user input.") and (Par [0132], "**DATE**--widget accepting only a date entry.").

As per Claim 14, the rejection of Claim 11 is incorporated and further Dean discloses:

***- wherein the creating the index information comprises grouping
predetermined multimedia content into a single multimedia group, for the
multimedia content with the configured indexes,***

(Par [0192], "The system-generated ... content or are necessary for maintaining the functional and semantic role of the fragments. These tags can be further **grouped into** two parts: 1) the tags which are used for describing the XML object, such as keywords, **categories** and publishing information; and 2) the tags which hold the content of the XML object, such as TITLE and SUMMARY.") and (Par [0159], "Turning to FIG. 8, shown is a GUI 800 to enable the creation/modification of **multimedia content...**").

However Dean does not disclose:

***- into a single multimedia group, for the multimedia content with the
configured indexes.***

On the other hand Iwata discloses the claimed features as follow:

***- into a single multimedia group, for the multimedia content with the configured
indexes.***

(Par [0130], "The content storage unit 601 is a hard disk unit, and stores contents... The header information includes the compressed format, **the screen size**, the number of frames, ... The content data is digital data generated by encoding and compressing, in the above compressed format, a **multimedia content** in which video data and audio data are multiplexed. The additional information includes **index information** showing, for each frame constituting the **content data...**").

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Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwate into the device of Dean to use a control unit indexing feature with multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content organized according to user requirements.

As per Claim 16, the rejection of Claim 14 is incorporated and further Dean discloses:

- wherein the creating the index information comprises creating tag information for the multimedia content with the configured indexes.

(Par [0191], "The metastore 712 is used to maintain information about the functional and semantic role of each fragment. The meta-information stored in the metastore 712 is grouped into system-generated tags and non-system generated tags....") and (Par [0032], "FIG. 8, shown is a GUI to enable the creation/modification of multimedia content, according to the present invention.").

As per Claim 17, the rejection of Claim 14 is incorporated and further Dean discloses:

- wherein the creating the index information comprises creating metadata files for the multimedia content grouped for the multimedia content with the configured indexes.

(Par [0232], "...2 Function... creates the metadata database(s) 712 and database tables. Input - Input is a database management tool and the results of step 1010. This

includes the type of meta tags to be included in the tables within the metadata database 712. Output - The metadata database 712 is initialized and made operational...) and (Par [205], "...Users may create their own classes to accomplish localized goals, and **specify those classes in the configuration file...**").

As per Claim 18, the rejection of Claim 17 is incorporated and further Dean discloses:

- wherein the metadata file comprises at least an index name for a group, and a start or end number of multimedia content contained in the group, wherein the multimedia belongs to the group.

(Par [0098], "These elements are shared across all documents and **comprise the common metadata** Additional metadata, such as KEYWORD and CATEGORY, are provided by common DTD elements to allow functional and semantic categorization of the fragments.") and (Par [0192], "... **be further grouped** into two parts: 1) the tags which are used for describing the XML object, such as keywords, categories and publishing information; and 2) the **tags which hold the content of the XML** object, such as TITLE and SUMMARY."). "the tags" will include the "name".

(Par [0232] Next in process step 1010, all the meta information to describe the content, that is any information helpful for indexing the content in metastore database 712 needs to be defined. Some mMeta information such as title, author, contents, **revision date**, and document type **are indexed by default**. This metadata is not only used for finding content during authoring on content editor 702...").

As per Claim 19, the rejection of Claim 18 is incorporated and further Dean discloses:

- wherein the metadata file is provided in extensible markup language (XML) format.

(Par [0096], "Each fragment type and servable type has an associated DTD (A document type definition (DTD) is a specific definition that follows the rules of the Standard Generalized Markup Language) that describes the structure of the **XML document**. The DTD specifies **both metadata elements and content elements**.").

6. Claims 5, 10, 15, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Dean et al (US Application No. 2002/0152244 A1)** in view of **Iwata et al (US Application No. 2003/0056222)** and **Rasmussen et al (US Application No. 2003/0079234 A1)**.

As per Claim 5, the rejection of Claim 4 is incorporated and further Dean does not disclose:

- wherein the control unit is configured to manage the multimedia content under different folders

On the other hand Iwata discloses, "control unit"

(Par [0066], "FIG. 2 is a view showing the construction of the client 10. As shown in the figure, the client 10 is composed of a transmission/reception unit 101, **a control unit 102, a display unit 103, an input unit 104, and a storage unit 105.**")

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Neither Dean nor Iwata disclose:

- ***configured to manage the multimedia content under different folders***

On the other hand Rasmussen discloses the claimed feature as follow:

- configured to manage the multimedia content under different folders

(Par [0038], "Hereby it is possible to operate **and control the execution of multimedia** content and thereby indirectly the display...") and (Par [0230], "Preferably the method also **comprises communication to the control unit of current information/data, such as** e.g. options, status, **current multimedia** execution, files, folders, etc, for presentation on a display or for **further/internal use in the control unit.**").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwata and Rasmussen into the method of Dean to use a control unit and indexing feature with multimedia content to provide a organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content organized according to user requirements and provide a display for a neater performance.

As per Claim 10, the rejection of Claim 4 is incorporated and further Dean discloses:

- ***wherein the control unit is configured to represent the multimedia content under folders, based on the index information, or to represent only multimedia content with the configured tag information.***

(Par [00856], "XML is used not only for creating the **multimedia content**, but also for **system configuration documents at startup** and as the language for information exchange between the different parts of the system") and

(Par [0192], "The system-generated ... content or are necessary for maintaining the functional and semantic role of the fragments. These tags can be further **grouped into** two parts: 1) the **tags** which are used for describing the XML object, such as keywords, **categories** and publishing information; and 2) the tags which hold the content of the XML object, such as TITLE and SUMMARY.") and (Par [0159], "Turning to FIG. 8, shown is a GUI 800 to enable the creation/modification of **multimedia content...**").

However Dean does not disclose the "**control unit**"

On the other hand Iwata discloses the mentioned features as follow:

Control unit

(Par [0066], "FIG. 2 is a view showing the construction of the client 10. As shown in the figure, the client 10 is composed of a transmission/reception unit 101, **a control unit 102, a display unit 103, an input unit 104, and a storage unit 105.**")

Neither Dean nor Iwata disclose:

- ***under folders***

On the other hand Rasmussen discloses the claimed feature as follow:

- configured operated to manage the multimedia content under different folders

(Par [0038], "Hereby it is possible to operate **and control the execution of multimedia** content and thereby indirectly the display...") and (Par [0230], "Preferably the method also **comprises communication to the control unit of current information/data,**

such as e.g. options, status, **current multimedia** execution, files, **folders**, etc, for presentation on a display or for **further/internal use in the control unit.**").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwate and Rasmussen into the method of Dean to use a control unit, indexing feature and folder organization for multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content organized according to user requirements.

As per Claim 15, the rejection of Claim 14 is incorporated and further Dean does not disclose:

- ***wherein the creating the index information comprises managing the multimedia content under different folders.***

(Par [0093], "An index fragment is an automatically updated XML file that indexes any number of servables, for example the five latest press releases.").

However Dean does not disclose:

- ***managing the multimedia content under different folders.***

On the other hand Rasmussen discloses the claimed feature as follow:

- managing the multimedia content under different folders

(Par [0038], "Hereby it is possible to operate **and control the execution of multimedia** content and thereby indirectly the display...") and (Par [0230], "Preferably the method **also comprises communication to the control unit of current information/data,**

such as e.g. options, status, **current multimedia** execution, files, folders, etc, for presentation on a display or for **further/internal use in the control unit.**").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwate and Rasmussen into the method of Dean to use a control unit, indexing feature and folder organization for multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content organized according to user requirements.

As per Claim 20, the rejection of Claim 14 is incorporated and further Dean discloses:

- wherein the providing the GUI screen comprises representing the multimedia content under folders, based on the index information or representing only multimedia content with the configured tag information.

(Par [0086], "XML is used not only for creating the **multimedia content**, but also for **system configuration documents at startup** and as the language for information exchange between the different parts of the system") and (Par [0192], "The system-generated ... content or are necessary for maintaining the functional and semantic role of the fragments. These tags can be further **grouped into** two parts: 1) the **tags** which are used for describing the XML object, such as keywords, **categories** and publishing information; and 2) the tags which hold the content of the XML object, such as TITLE and SUMMARY.") and (Par [0159], "Turning to FIG. 8, shown is a GUI 800 to enable the creation/modification of **multimedia content**...").

However Dean does not disclose:

- under folders

On the other hand Rasmussen discloses the claimed feature as follow:

- under folders

(Par [0038], "Hereby it is possible to operate **and control the execution of multimedia** content and thereby indirectly the **display...**") and (Par [0230], "Preferably the method also **comprises communication to the control unit of current information/data, such as** e.g. options, status, **current multimedia** execution, files, **folders**, etc, for presentation on a display or for **further/internal use in the control unit.**").

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of invention was made to incorporate the teachings of Iwate and Rasmussen into the method of Dean to use a control unit, indexing feature and folder organization for multimedia content to provide an organizational improvement. The modification would have been obvious because one of the ordinary skills in the art would implement this to maintain multimedia content organized according to user requirements.

Conclusion


7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angelica Ruiz whose telephone number is (571) 270-3158. The examiner can normally be reached on 7:30 a.m. to 5:00 p.m., ET.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ali can be reached on (571) 272-4105. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AR



JEAN M. CORRIELUS
PRIMARY EXAMINER
ART Unit 8162